

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

**United States Patent Application  
COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: SENSOR AND METHOD FOR SENSING ARTERIAL PULSE PRESSURE.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 4 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

o such applications have been filed.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

o such applications have been filed.

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

o such applications have been filed.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

glin, J-Michael	Reg. No. 24,916	Fogg, David N.	Reg. No. 35,138	Lundberg, Steven W.	Reg. No. 30,568
ara, Suneel	Reg. No. P-42,267	Forrest, Bradley A.	Reg. No. 30,837	Madrid, Andres N.	Reg. No. 40,710
rnkopf, Paul A.	Reg. No. P-41,615	Harris, Robert J.	Reg. No. 37,346	McCrackin, Ann M.	Reg. No. P-42,858
inchl, Timothy E.	Reg. No. 39,610	Hofmann, Rudolph P., Jr.	Reg. No. 38,187	Provence, David L.	Reg. No. P-43,022
tion, Richard E.	Reg. No. 32,836	Holloway, Sheryl S.	Reg. No. 37,850	Schwegman, Michael L.	Reg. No. 25,816
nnan, Thomas F.	Reg. No. 35,075	Huebsch, Joseph C.	Reg. No. P-42,673	Simboli, Paul B.	Reg. No. 38,616
oks, Edward J., III	Reg. No. 40,925	Klima-Silberg, Catherine I.	Reg. No. 40,052	Slifer, Russell D.	Reg. No. 39,838
rk, Barbara J.	Reg. No. 38,107	Kluth, Daniel J.	Reg. No. 32,146	Taylor, Michael W.	Reg. No. P-43,182
ke, Eduardo E.	Reg. No. 40,594	Lemoire, Charles A.	Reg. No. 36,198	Viksnins, Ann S.	Reg. No. 37,748
ja, Michael A.	Reg. No. 39,662	Litman, Mark A.	Reg. No. 26,390	Woessner, Warren D.	Reg. No. 30,440
treison, Janet E.	Reg. No. 39,665				

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402  
Telephone No. (612)373-6900

ur Ref. 120.010US1  
**INSOR AND METHOD FOR SENSING ARTERIAL PULSE PRESSURE**  
 filing Date: Even Date Herewith

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

All Name of joint inventor number 1 : Charles F. Chesney

Citizenship: United States of America

Residence: Sunfish Lake, MN

1st Office Address:

Five Acorn Drive  
Sunfish Lake, MN 55077-1420

Date:

March 20, 1998

Signature:

Charles F. Chesney

All Name of joint inventor number 2 : Dennis J. Morgan

Citizenship: United States of America

Residence: Crystal, MN

1st Office Address:

3501 Xenia Ave. N.  
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Date:

3/20/98

Signature:

Dennis J. Morgan

All Name of joint inventor number 3 : Eugene A. O'Rourke

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Date:

All Name of joint inventor number 4 : Michael T. Riggs

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Batavia, NY 14020

Date:

All Name of joint inventor number 5 : Fred Randall Thornton

Citizenship: United States of America

Residence: Lancaster, NY

1st Office Address:

94 Westwood Rd.  
Lancaster, NY 14086

Date:

Our Ref. 120,010US1  
 SENSOR AND METHOD FOR SENSING ARTERIAL PULSE PRESSURE  
 Filing Date: Even Date Herewith

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Charles E. Chesney

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Residence: Sunfish Lake, MN

Signature: \_\_\_\_\_

Charles F. Chesney

Date: \_\_\_\_\_

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Signature: \_\_\_\_\_

Dennis J. Morgan

Date: \_\_\_\_\_

Full Name of joint inventor number 3 : Eugene A. O'Rourke

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Residence: Lackawanna, NY

Signature: \_\_\_\_\_

Eugene A. O'Rourke

Date: \_\_\_\_\_

Eugene A. O'Rourke

Full Name of joint inventor number 4 : Michael T. Riggs

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Post Office Address: 4427 Batavia-Elba Townline Rd.  
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Signature: \_\_\_\_\_

Michael T. Riggs

Date: \_\_\_\_\_

March 20, 1998

Michael T. Riggs

Full Name of joint inventor number 5 : Fred Randall Thornton

Citizenship: United States of America

Post Office Address: 94 Westwood Rd.  
Lancaster, NY 14086

Residence: Lancaster, NY

Signature: \_\_\_\_\_

Fred Randall Thornton

Date: \_\_\_\_\_

March 20, 1998

Fred Randall Thornton

**1.56 Duty to disclose information material to patentability.**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 98. However, no patent will be granted in an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

## **SMALL BUSINESS**

### **VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. 1.9(f) AND 1.27(c)) - SMALL BUSINESS CONCERN**

I hereby declare that I am

- a)  the owner of the small business concern identified below.  
b)  an official of the small business concern empowered to act on behalf of the concern identified below.

NAME OF CONCERN: Hypertension Diagnostics, Inc.  
ADDRESS OF CONCERN: 2915 Waters Road  
Suite 108  
Eagan, MN 55121-1562

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 C.F.R. 121.3-18, and reproduced in 37 C.F.R. 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled SENSOR AND METHOD FOR SENSING ARTERIAL PULSE PRESSURE by inventors Charles F. Chesney, Dennis J. Morgan, Eugene A. O'Rourke, Michael T. Riggs and Fred Randall Thornton described in the specification filed herewith.

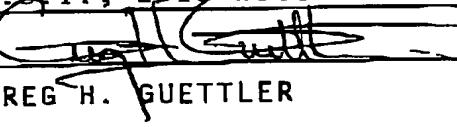
If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 C.F.R. 1.9(c) or by any concern which would not qualify as a small business concern under 37 C.F.R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention attesting to their status as small entities. (37 C.F.R. 1.27)

NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
a)  INDIVIDUAL b)  SMALL BUSINESS CONCERN c)  NONPROFIT ORGANIZATION

NAME \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
a)  INDIVIDUAL b)  SMALL BUSINESS CONCERN c)  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 C.F.R. 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereof, or any patent to which this verified statement is directed.

NAME MR. GREG H. GUETTLER  
TITLE PRESIDENT  
ADDRESS H.D.I., 2915 Waters Road - Suite 108, Eagan, MN 55121  
SIGNATURE   
DATE March 19, 1998  
GREG H. GUETTLER